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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/634,866 – Conf.# 7646

Filing Date August 6, 2003

First Named Inventor Kazuyoshi AKIE

Group Art Unit 2614

Examiner Name Jefferey F. Harold

Attorney Docket Number 31869-191571

ENCLOSURES (check all that apply)

☒ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement;
Form PTO/SB/08A; Copy of
Japanese Patent Office Action;
w/partial translation; Copies of 2
References (w/English Abstracts)

☐ Certified Copy of Priority
Document(s)

☐ Response to Missing Parts/
Incomplete Application

☐ Response to Missing Parts Under 37
CFR 1.52 or 1.53

☐ Assignment Papers
(for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a
Provisional Application

☐ Power of Attorney, Revocation
Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) _____

☐ After Allowance Communication to
Group

☐ Appeal Communication to Board of
Appeals and Interferences

☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☐ Other Enclosure(s)
(please identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual name

Michael A. Sartori, Ph.D.
Reg. No. 41,289

26694

PATENT TRADEMARK OFFICE

Signature

Kevin B. Lepping # 31,262

Date

October 4, 2006

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450b on this date: _____

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Signature

Date

VENABLE
ATTORNEYS AT LAW

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, 22313-1450.
#788671



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| | | | |
|---|--|--------------------------|--------------------------|
| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2006 | | Complete if Known | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Application Number | 10/634,866 – Conf.# 7646 |
| TOTAL AMOUNT OF PAYMENT | | Filing Date | August 6, 2003 |
| (\$) | | First Named Inventor | Kazuyoshi AKIE |
| - 0 - | | Examiner Name | Jefferey F. Harold |
| | | Art Unit | 2614 |
| | | Attorney Docket No. | 31869-191571 |

| | |
|---|---|
| METHOD OF PAYMENT (check all that apply) | |
| <input type="checkbox"/> Check | <input type="checkbox"/> Credit Card |
| <input type="checkbox"/> Money Order | <input type="checkbox"/> None |
| <input type="checkbox"/> Other (please identify) | |
| <input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 22-0261 Deposit Account Name: Venable LLP | |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) | |
| <input type="checkbox"/> Charge fee(s) indicated below | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 | <input checked="" type="checkbox"/> Credit any overpayments |

| | | | | | | | |
|---|---------------------|---|--------------------|----------------------|----------------------------------|---------------------|-----------------------|
| FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.) | | | | | | | |
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES | | | | | | | |
| | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | |
| | | Small Entity | | Small Entity | | Small Entity | |
| Application Type | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fees Paid (\$) |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |
| 2. EXCESS CLAIM FEES | | | | | | | |
| | | | | | | Small Entity | |
| Fee Description | | | | | | Fee (\$) | Fee (\$) |
| Each claim over 20 (including Reissues) | | | | | | 50 | 25 |
| Each independent claim over 3 (including Reissues) | | | | | | 200 | 100 |
| Multiple dependent claims | | | | | | 360 | 180 |
| Total Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | | |
| - 20 = | | x | = | | Fee (\$) | | Fee Paid (\$) |
| HP = highest number of total claims paid for, if greater than 20. | | | | | | | |
| Indep. Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | | | |
| - 3 = | | x | = | | | | |
| HP = highest number of total claims paid for, if greater than 3. | | | | | | | |
| 3. APPLICATION SIZE FEE | | | | | | | |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) | | | |
| - 100 = | /50 | (round up to a whole number) x | = | | | | |
| 4. OTHER FEE(S) | | | | | | | |
| Fees Paid (\$) | | | | | | | |
| Non-English Specification, \$130 fee (no small entity discount) | | | | | | | |
| Other (e.g., late filing surcharge): | | | | | | | |
| Information Disclosure Statement | | | | | | \$ 0 | |

| | | | |
|---------------------|---------------------------|-----------------------------------|-----------------|
| SUBMITTED BY | | | |
| Signature | <i>Michael A. Sartori</i> | Registration No. (Attorney/Agent) | 41,289 |
| Name (Print/Type) | Michael A. Sartori, Ph.D. | Telephone | (202) 344-4000 |
| | | Date | October 4, 2006 |

#788674



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kazuyoshi AKIE

Appln. No. 10/634,866

Confirmation No. 7646

Filed: August 6, 2003

For: ANTI-HOWLING CIRCUIT DETECTING
HOWLING FROM EFFECT OF
PREDICTED ECHO SIGNAL

Art Unit : 2614

Examiner: Jefferey F. Harold

Atty. Docket No. 31869-191571

Customer No.

26694

PATENT TRADEMARK OFFICE

Second Information Disclosure Statement

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. 1.56, 1.97, and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but within three months of a communication from a foreign patent office in a foreign counterpart application, in accordance with 37 C.F.R. § 1.97(c)1, e(1). Thus, it is believed that no fees are required.

Attached is a copy of an Office, dated July 4, 2006 as received from the Japanese

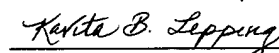
Patent Office (JPO) in connection with a counterpart foreign application, as well as a partial translation of the Notice. Copies of the cited Japanese publications (listed as **B1** and **B2** on the Attached Form PTO/SB/08A), along with copies of an English-language Abstract of each, are also submitted herewith.

In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. 1.56(a) exists. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. 1.98 and the Examiner is respectfully requested to consider the listed references. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0261.

Respectfully submitted,

Date: October 4, 2006



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PTO/SB/08a/b (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/634,866 |
| | | | | Filing Date | August 6, 2006 |
| | | | | First Named Inventor | Kazuyoshi AKIE |
| | | | | Art Unit | 2614 |
| | | | | Confirmation Number | 7646 |
| | | | | Examiner Name | Jefferey F. Harold |
| Sheet | 1 | of | 1 | Attorney Docket Number | 31869-191571 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | | | | |
| | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|--|-----------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | B1 | Japanese Publication No. 09-116614 | 05-02-1997 | NIPPON TELEGR & TELEPH CORP (NTT) | | Y |
| | B2 | Japanese Publication No. 62-154824 | 07-09-1987 | FUJITSU LTD. | | Y |
| | | | | | | |
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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | C1 | Japanese Patent Office Action, dated July 4, 2006 (with partial English-language translation). | Y |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicants are to place a check mark here if English-language Translation is attached.
#788662

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| Examiner Signature | | Date Considered | |
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